



# Essential Smartbright LED

## BVP161 LED90/NW 100W 220-240V WB GREY GM

Essential Smartbright LED, 9000 lm, 100 W, 740 neutral white, Symmetrical, 30° x 80°, Safety class I, Mounting bracket adjustable

Philips Essential SmartBright LED Floodlight not only ensures savings on initial capital, but also delivers reliable operational savings.

### Product data

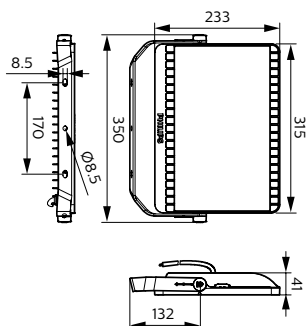
General Information			
Lamp family code	LED90 [LED module 9000 lm]	Standard tilt angle side entry	-
Light source replaceable	No	Correlated Color Temperature (Nom)	4000 K
Number of gear units	1 unit	Luminous Efficacy (rated) (Nom)	90.00 lm/W
Driver included	Yes	Color rendering index (CRI)	>70
Light source engine type	LED	Light source color	740 neutral white
Lighting Technology	LED	Optical cover type	Micro-lens optic in polycarbonate cover, wide
CE mark	CE mark	Luminaire light beam spread	30° x 80°
Warranty period	3 years	Optic type outdoor	Symmetrical
Flammability mark	-	Operating and Electrical	
ENEC mark	-	Input Voltage	220 to 240 V
EU RoHS compliant	No	Line Frequency	50 to 60 Hz
Light Technical		Inrush current	0.64 A
Upward light output ratio	0	Inrush time	1.2 ms
Luminous Flux	9,000 lm	Power Consumption	100 W
Standard tilt angle posttop	-	Power Factor (Fraction)	0.9

## Essential Smartbright LED

Connection	Flying leads/wires
Cable	Cable 0.6 m without plug
Number of products on MCB of 16 A type B 22	
<b>Temperature</b>	
Ambient temperature range	-40 to +45 °C
<b>Controls and Dimming</b>	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Control interface	-
Constant light output	No
<b>Mechanical and Housing</b>	
Housing Material	Aluminum die cast
Reflector material	-
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	Grey
Mounting device	Mounting bracket adjustable
Optical cover shape	Flat
Optical cover finish	Frosted
Overall length	315.5 mm
Overall width	233.5 mm
Overall height	41 mm
Effective projected area	0.075 m²
Dimensions (Height x Width x Depth)	41 x 234 x 316 mm
<b>Approval and Application</b>	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]

Mech. impact protection code	IK07 [2 J reinforced]
Surge Protection (Common/Differential)	EN61547 (L-L 2kV, L-G 4kV) kV
Protection class IEC	Safety class I
<b>Initial Performance (IEC Compliant)</b>	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM<5
Power consumption tolerance	+/-10%
<b>Over Time Performance (IEC Compliant)</b>	
Driver failure rate at 5000 h	1.00 %
<b>Application Conditions</b>	
Maximum dim level	Not applicable
<b>Product Data</b>	
Order product name	BVP161 LED90/NW 100W 220-240V WB GREY GM
Full product name	BVP161 LED90/NW 100W 220-240V WB GREY GM
Full product code	871016330475599
Order code	30475599
Material Nr. (12NC)	911401823498
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8710163304755
Numerator - Packs per outer box	6
EAN/UPC - Case	8710163304816

## Dimensional drawing



## Essential Smartbright LED

